



Docket No.: TER-001115

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By: 

Date: October 16, 2003

UNITED STATES IN THE PATENT AND TRADEMARK OFFICE

Applic. No. : 10/647,542
Applicant : Franz Zahradnik et al.
Filed : August 25, 2003
Art Unit : to be assigned
Examiner : to be assigned

Docket No. : TER-001115
Customer No. : 24131

LETTER

Hon. Commissioner for Patents

Sir:

Enclosed please find a copy of the English translation of the International Preliminary Examination Report for the above-identified application. Please enter it into the file.

Respectfully submitted


For Applicants

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Date: October 16, 2003

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Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 001115T-8/27	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP02/01896	International filing date (day/month/year) 22 February 2002 (22.02.02)	Priority date (day/month/year) 24 February 2001 (24.02.01)
International Patent Classification (IPC) or national classification and IPC B60R 16/02, H05K 3/10		
Applicant LEONI AG		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>5</u> sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 24 September 2002 (24.09.02)	Date of completion of this report 29 April 2003 (29.04.2003)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP02/01896

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages _____ 1-34 _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☒ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____ 1-25 _____, filed with the letter of _____
- ☒ the drawings:
 pages _____ 1/12-12/12 _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/EP 02/01896**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-25	YES
	Claims		NO
Inventive step (IS)	Claims	1-25	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-25	YES
	Claims		NO

2. Citations and explanations**1. Prior art**

Reference is made to the following documents:

D1: DE-A-19 23 028
D2: DE-A-195 02 044
D3: EP-A-0 089 221
D4: EP-A-0 297 678
D5: US-A-3 330 695
D6: DE-B-11 07 743
D7: DE-B-10 86 770
D8: DE-A-199 00 175
D9: US-A-5 281 765
D10: US-A-5 032 737
D11: US-A-6 032 357
D12: DE-B-11 47 640
D13: DE-B-11 85 264
D14: DE-B-12 99 801

2. Novelty, inventive step and industrial applicability

The subject matter of Claims 1 and 25 is novel and involves an inventive step (PCT Article 33(2) and (3)).

The cited documents describe printed conductors and methods for applying printed conductors to a printed circuit board. They do not describe the application of printed conductors directly onto a moulded motor vehicle component. In the prior art, the usual method is to produce a separate substrate component and then join this to the moulded component, as in documents D8 and D11. Thus there is nothing to suggest the idea of applying a printed conductor directly onto a moulded component. Since this type of moulded component is likewise not found in the prior art, Claim 25 also meets the PCT requirements relating to novelty and inventive step.

The dependent claims relate to advantageous embodiments and developments of the invention, and also meet the PCT requirements relating to novelty and inventive step.

The subject matter of Claims 1-25 appears to meet the requirement of PCT Article 33(4) because it can be used at least in the automotive industry.

3. Other remarks

The description has not been made consistent with the claims, and documents D8 and D11 are not acknowledged (PCT Rule 5.1(a)(ii) and (iii)).